Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

11 1. (Currently amended) An electrophotographic developing roller having a cylindrical metal base body and a metal flange as press fitted in an opening end section of said cylindrical metal base body, the developing roller being characterized in that wherein said metal flange has a larger diameter section for fitting in the an opening end section inner surface of said cylindrical metal base body and a smaller diameter section serving as a central shaft body coaxial with said cylindrical metal base body; and that the wherein a fit section surface of said larger diameter section before being press fitted has an uneven shape such that a maximum roughness Ry due to a circumferential groove formed by cutting processing is from 25 µm to 70 µm.

 $\frac{(2)}{2}$ (Currently amended) An electrophotographic developing roller having a cylindrical metal base body and a metal flange as press fitted in an opening end section of said cylindrical metal base body, the developing roller being characterized in that wherein said metal flange has a larger diameter section for fitting in the an opening end section inner surface of said cylindrical metal base body and a smaller diameter section serving as a central shaft body coaxial with said cylindrical metal base body; and that the wherein a fit section surface of the opening end section inner surface of said cylindrical metal base body before being press fitted has an uneven shape such that a maximum roughness Ry due to a circumferential groove formed by cutting processing is from 25 μ m to 70 μ m.

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- $\frac{3}{3}$ (Currently amended) The electrophotographic developing roller according to claim 1 or 2, characterized in that wherein an adhesive is used in said fit section.
- [4] 4. (Currently amended) The electrophotographic developing roller according to claim 3, characterized in that wherein said adhesive is an anaerobic adhesive.
- [5] 5. (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 4 claim 1, characterized in that wherein a countersunk section is provided on the opening end section inner surface of said cylindrical metal base body.
- $\frac{16}{16}$ 6. (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 5 claim 1, characterized in that the wherein a thickness of said cylindrical metal base body is from 0.75 mm to 2 mm; and that the an interference at the a time of press fitting is from 10 μm to 60 μm.
- [7] 7. (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 6 claim 1, characterized in that wherein said cylindrical metal base body and said metal flange are each made of steel or an aluminum based alloy as the a principal material.
- [8] 8. (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 6 claim 1, characterized in that wherein said cylindrical metal base body is made of a carbon steel tube containing not more than 0.25% by weight of carbon, not more than 0.30% by weight of silicon, and not more than 0.85% by weight of manganese.

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[9] 9. (Currently amended) An electrophotographic developing roller having at least a cylindrical metal base body, which comes for coming into contact with or becomes becoming adjacent to a photoreceptor, thereby feeding a developer on the a surface of said photoreceptor and developing an electrostatic latent image formed on said photoreceptor, the developing roller being characterized in that wherein said cylindrical metal base body is made of a carbon steel tube containing not more than 0.25% by weight of carbon, not more than 0.30% by weight of silicon, and not more than 0.85% by weight of manganese, respectively.

(10) 10. (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 6 claim 1, characterized in that wherein said cylindrical metal base body is made of an STKM11A carbon steel tube (JIS G3445).

[11] 11. (Currently amended) An electrophotographic developing roller having at least a cylindrical metal base body, which comes for coming into contact with or becomes becoming adjacent to a photoreceptor, thereby feeding a developer on the a surface of said photoreceptor and developing an electrostatic latent image formed on said photoreceptor, the developing roller being characterized in that wherein said cylindrical metal base body is made of an STKM11A carbon steel tube (JIS G3445).

 $\frac{\{12\}}{12}$ 12. (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 11 claim $\frac{1}{2}$,

characterized in that wherein said cylindrical metal base body is an electro-resistance-welded tube.

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- (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 12 claim 1, characterized in that wherein said cylindrical metal base body is subjected to cutting processing or polishing processing.
- (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 13 claim 1, characterized in that the wherein an outer surface of said cylindrical metal base body is subjected to a blast treatment.
- (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 13 claim 1, characterized in that the wherein an outer surface of said cylindrical metal base body is subjected to metal plating.
- the developing roller according to claim 14, characterized in that wherein the outer surface of said cylindrical metal base body having been subjected to a blast treatment is further subjected to metal plating.
- (Currently amended) The electrophotographic developing roller according to claim 15 or 16, characterized in that wherein said metal plating is electroless nickel plating.
- [18] 18. (Currently amended) The electrophotographic developing roller according to any one of claims 15 to 17 claim 15, characterized in that wherein the outer surface of said cylindrical metal base body having been subjected to metal plating is further subjected to a chromate treatment.

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- [19] 19. (Currently amended) The electrophotographic developing roller according to any one of claims 15 to 18 claim 15, characterized in that wherein said metal plating is achieved without performing a zinc alloy film formation treatment in advance.
- $\frac{(20)}{20}$ (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 19 claim 1, characterized in that wherein said cylindrical metal base body has a straightness of not more than 15 μ m.
- $\frac{\{21\}}{21}$ 21. (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 20 claim 1, characterized in that wherein said cylindrical metal base body has a deflection accuracy of not more than 20 μ m.
- (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 21 claim 1, characterized in that wherein said electrophotographic developing roller is used in an electrophotographic device of a non-magnetic one-component non-contact development system.
- (Currently amended) The electrophotographic developing roller according to any one of claims 1 to 22 claim 1, characterized in that wherein said electrophotographic developing roller is used in a color electrophotographic device.
- (Currently amended) An image forming device, characterized by being wherein the image forming device is mounted with the electrophotographic developing roller according to any one of claims 1 to 23 claim 1.